



R18 Regulation

Subject code:2P6FB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VI Semester Supplementary Examinations, December 2024

OBJECT ORIENTED ANALYSIS AND DESIGN (IT)

Maximum Marks: 70

Date:30.12.2024

Duration: 3 hours

- Note:
- 1.This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20) Marks)		CO	Bloom Tx
1	Explain about Annotational Thing?	1	L1
2	Define generalization with example?	1	L1
3	Discuss owned elements in packages?	2	L1
4	Define composition with neat sketch?	2	L1
5	Explain about Use cases and Flow of Events?	3	L1
6	Discuss about Sequencing?	3	L1
7	What are the different kinds of components?	4	L1
8	What do you mean by Deployment diagram?	4	L1
9	Define simple name and path name in component with neat sketch?	5	L1
10	What is an artifact?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) Explain about Principles of modeling? [5M] B) What are structural things? Explain briefly? [5M]	1	L2
	OR		
12	Explain briefly about [10M] a) Stereotypes b) Tagged values c) Constraints	1	L2
13	A) Enumerate the steps to model different levels of abstraction. [5M] B) Enumerate the steps to model the webs of Relationships. [5M]	2	L2
	OR		
14	Explain about common modeling techniques in packages. [10M]	2	L2
15	Explain about a) Swimlanes b) Object Flow [5+5M]	3	L2
	OR		
16	Illustrate with example about Sequence diagram and collaboration diagram? [10M]	3	L2

17	Explain about Communication and synchronization with a suitable example? [10M]	4	L2
	OR		
18	A) Enumerate the steps to model the modeling multiple flows of control? [5M] B) Enumerate the steps to model the modeling interproces communication? [5M]	4	L2
19	A) Enumerate the steps to Modeling the design patterns. [5M] B) Enumerate the steps to Modeling the architectural patterns. [5M]	5	L2
	OR		
20	A) Enumerate the steps to model embedded system. [5M] B) Draw Deployment diagram for the ATM bank system? [5M]	5	L2